GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:963
ANSWERED ON:08.02.2017
Laboratory under CSIR
Yadav Shri Laxmi Narayan

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the details of the laboratories set up by Council of Scientific and Industrial Research (CSIR) and the number out of them that are operational during the last three years, State/Union Territory-wise, particularly in Madhya Pradesh; and;

(b) the nature of work undertaken and achievements made by the laboratories during the said period particularly in Madhya Pradesh?

Answer

MINISTER OF STATE OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y.S. CHOWDARY)

a) The Council of Scientific & Industrial Research (CSIR) is a premier R&D organization with a pan India presence of 38 constituent laboratories whose details are attached at Annexure-I. The constituent laboratory namely, Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal is located in the state of Madhya Pradesh.

b) CSIR-AMPRI undertakes research programmes in the area of development of advanced Metal foams, metal alloys, Innovative forming and special processing techniques for light weight alloys, Shape memory materials, advanced polymer and polymer based composites, advanced radiation shielding and cement free concrete materials, Composite for alternative building materials and Technology for the rural masses. The Institute has developed following key technologies:

(i) MMC (Metal Matrix Composites) in particular aluminium alloy composite materials leading to development of Brake Drum for wear applications;
(ii) High-performance Composite (HP Composites) Materials as an alternative to synthetic wood, timber, plastics etc.;
(iii) Composite panels using industrial waste particulates, natural fibres and polymers;
(iv) Sisal Buffing Wheel suitable for applications in polishing/buffing industry, rural metal handicraft industry, engineering, automobiles and furniture;
(v) Radiation shielding material and glasses(lead free) for nuclear power plants; and
(vi) Smart Material Actuator for Automobile Applications.

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Annexure-I
State-wise Laboratories/ Institutes of Council of Scientific and Industrial Research

Name of State/ labaoratory
ASSAM
CSIR-North East Institute of Science & Technology, Jorhat
JHARKHAND
CSIR-Central Institute of Mining & Fuel Research, Dhanbad
CSIR-National Metallurgical Laboratory, Jamshedpur
GOA
CSIR-National Institute of Oceanography, Dona Paula
GUJARAT
CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar
HIMACHAL PRADESH
CSIR-Institute of Himalayan Bioresource Technology, Palampur
JAMMU & KASHMIR
CSIR-Indian Institute of Integrative Medicine, Jammu
KARNATAKA
CSIR-Central Food Technological Research Institute, Mysore
CSIR-National Aerospace Laboratories, Bengaluru #
KERALA
CSIR-National Institute of Interdisciplinary Science and Technology (Thiruvananthapuram)
MADHYA PRADESH
CSIR-Advanced Materials & Process Research Institute, Bhopal
MAHARASTRA

CSIR-National Chemical Laboratory, Pune
CSIR-National Environmental Engineering Research Institute, Nagpur
ODISHA
CSIR-Institute of Minerals & Materials Technology , Bhubaneswar
RAJASTHAN
CSIR-Central Electronics Engineering Research Institute, Pilani
TAMILNADU
CSIR-Central Electrochemical Research Institute, Karaikudi
CSIR-Central Leather Research Institute, Chennai
CSIR Madras Complex
CSIR-Structural Engineering Research Centre, Chennai
TELANGANA
CSIR-Centre for Cellular & Molecular Biology, Hyderabad
CSIR-Indian Institute of Chemical Technology, Hyderabad
CSIR-National Geophysical Research Institute, Hyderabad
UTTAR PRADESH
CSIR-Central Drug Research Institute, Lucknow
CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow
CSIR-Indian Institute of Toxicology Research, Lucknow
National Botanical Research Institute, Lucknow
CSIR-Human Resource Development Centre, Ghaziabad
UTTRAKHAND
CSIR-Central Building Research Institute, Roorkee
CSIR-Indian Institute of Petroleum, Dehradun
WEST BENGAL
CSIR-Central Glass & Ceramic Research Institute, Kolkata
CSIR-Central Mechanical Engineering Research Institute, Durgapur
CSIR-Indian Institute of Chemical Biology, Kolkata
DELHI
CSIR-Central Road Research Institute, New Delhi
CSIR-Institute of Genomic & integrative Biology, New Delhi
CSIR-National Institute of Science Communication and Information Resources, New Delhi
CSIR-National Institute of Science, Technology and Development Studies, New Delhi
CSIR-National Physical Laboratory, New Delhi
UNION TERITORY OF CHANDIGARH
CSIR-Central Scientific Instruments Organisation, Chandigarh
CSIR-Institute of Microbial Technology, Chandigarh